

PTO-1390 (Rev. 12-2004)
Approved for use through 03/31/2007. OMB 0651-0021
U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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TRANSMITTAL LETTER	ATTORNEY'S DOCKET NUMBER							
DESIGNATED/ELECTE	57734 US (11259)							
CONCERNING A SUBMIS	U.S. APPH CATTON ACT UT KNOWN Sep 37 FF 1.5)							
INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORI - DATE CLAIMED						
PCT/US03/21142 TITLE OF INVENTION TARGETING	03 July 2003 G AND TRACKING OF CELLS TO SPE	05 July 2002 ECIFIC ORGANS AND TISSUES						
IN VIVO								
	UM, et al.							
· · · —	•	S) the following items and other information:						
1. X This is a FIRST submission o	fitems concerning a submission under 35	5 U.S.C. 371.						
2. This is a SECOND or SUBSE	EQUENT submission of items concerning	a submission under 35 U.S.C. 371.						
3. x This is an express request to include items (5), (6), (9) and	begin national examination procedures (3 (21) indicated below.	35 U.S.C. 371 (f)). The submission must						
4. The US has been elected (Art	icle 31).							
5. x A copy of the International Ap	oplication as filed (35 U.S.C. 371 (c)(2))							
a. x is attached hereto (require	ed only if not communicated by the Interna	ational Bureau).						
b. x has been communicated t	by the International Bureau.							
c. is not required, as the app	olication was filed in the United States Red	ceiving Office (RO/US).						
6. An English language translation	on of the International Application as filed	(35 U.S.C. 371 (c)(2)).						
a. is attached hereto.								
b. has been previously subm	nitted under 35 U.S.C. 154(d)(4).							
7. Amendments to the claims of	the International Application under PCT A	Artide 19 (35 U.S.C. 371 (c)(3))						
a. are attached hereto (requi	ired only if not communicated by the Inter	national Bureau).						
b. have been communicated	by the International Bureau.							
c. have not been made; how	have not been made; however, the time limit for making such amendments has NOT expired.							
d. have not been made and	will not be made.							
8. An English language translatio	on of the amendments to the claims under f	PCT Article 19 (35 U.S.C. 371 (c)(3)).						
9. An oath or declaration of the i	nventor(s) (35 U.S.C. 371 (c)(4)).							
Article 36 (35 U.S.C. 371 (c)(5	**	liminary Examination Report under PCT						
Items 11 to 20 below concern docu	` '							
11. An Information Disclosure Sta	tement under 37 CFR 1.97 and 1.98.							
12. An assignment document for re	cording. A separate cover sheet in complian	nce with 37 CFR 3.28 and 3.31 is included.						
13. x A preliminary amendment.	A preliminary amendment.							
14. X An Application Data Sheet un	An Application Data Sheet under 37 CFR 1.76.							
15. A substitute specification.	A substitute specification.							
	A power of attorney and/or change of address letter.							
	A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.							
	A second copy of the published International Application under 35 U.S.C. 154(d)(4).							
19. A second copy of the English	A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).							
C Fe	Other items or information: Copy of Form PCT/IB/308; Application as Published under WO 2004/005531 A2; Copy of Application As-Filed; Copy of Response to Invitation to Correct Defects; Copy of PCT Chapter II Demand; Republished First Page and International Search Report; Copy of Form PCT/ISA/202; Copy of Form PCT/ISA/202; Copy of Form PCT/ISA/203; Copy of Form PCT/ISA/203; Copy of Form PCT/ISA/203; and Copy of PCT/ISA/210, International Search Penet							

PTO-1390 (Rev. 12-2004)
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U.S. APPLICATION NO. TO 34-75-51 INTERNATIONAL APPLICATION NO. PCT/US03/21142					ATTORNEY'S DOCKET NUMBER 57734 US (11259)				
21. The following fees are submitted:									
x a) Basic national fee\$300.00						s 300.00)		
x b) Examination fee\$200.00						\$ 200.00			
x c) Sean	ch fee		•••••		\$5	00.00	\$ 500.00		
	TOTA	L OF ABOVE	CALCULA	ATIONS =	\$10	00.00	\$ 1,000.00		
sequen	ce listir	ng or computer	program lis	ings filed in paper over sting filed in an electror per or fraction thereof.					
Total Sheets	E	xtra sheets		of each additional 50 of (round up to a whole		RATE			
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Surcharge of \$ from the earlies				or declaration later that .492 (e)).	an 30 mont	hs	\$ 130.00)	
CLAIMS		NUMBER	FILED	NUMBER EXTRA	F	RATE			
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MULTIPLE DEI	PENDE	NT CLAIM(s)	(if applica		+	360.00	\$ 360.00		
A Viana				TOTAL OF ABOVE			\$ 3,390.00		
x are redu			status. Se	e 37 CFR 1.27. The	rees indica	ted above	\$ 1,695.00		
						STOTAL =	\$ 1,695.00		
Processing fee from the earlies				plish translation later th. .492 (f)).	an 30 mont	hs +	\$		
				***	L NATION	AL FEE =	\$ 1,695.00		
				FR 1.21 (h)). The assig			\$		
				TOTAL	FEES ENC	LOSED =	\$	1,695.00	
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								\$1,695.00	
a. A check in the amount of \$ to cover the above fees is enclosed.									
b. x Plea	se cha	arge my Depo:	 sit Account	t No. 04-110	05 i	n the amount	of \$ 1,695.00)	
toc	over th	e above fees.	A duplica	te copy of this sheet i	s enclosed	l .	<u> </u>		
c. X The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any									
overpayment to Deposit Account No. <u>04-1105</u> . A duplicate copy of this sheet is enclosed.									
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.									
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.									
SEND ALL C	ORRE	SPONDENCE	TO:		-72			/	
David G. Conlin SIGNATURE:						Marla L. Tocker			
EDWARDS & ANGELL, LLP P.O. Box 55874 NAME						<u> </u>	IVIAIIA L. TOCKEI		
Boston, Mas	sachi	usetts 0220	5		NAM	-			
(617) 439-4444 CUSTOMER NUMBER: 21874 REGISTRATION N					54,493 UMBER				
COSTONIEN NOMBER. 21074									

Attorney Docket No.: 57734 US (11259)

Application No. (if known): Not Yet Assigned

Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV437822014US in an envelope addressed to:

> MS PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

on	January 5, 2005
	Date

Lacertore	W.					
Signature						
Karen Brown						
Typed or printed name of person	signing Certificate					
	(617) 439-4444					
Registration Number, if applicable	Telephone Number					

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Fee Transmittal **Application Data Sheet Preliminary Amendment**

Transmittal Letter to the United States Designated-Elected Office

Copy of Form PCT/IB/308, Application as Published under

WO 2004/005531 A2 Copy of Application As-Filed

Copy of Response to Invitation to Correct Defects

Copy of PCT Chapter II Demand

Copy of Republished First Page and International Search Report;

Copy of Form PCT/ISA/202 Copy of Form PCT/RO/105

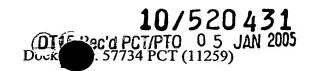
Copy of Form PCT/IPEA/402

Copy of Form PCT/IB/304

Copy of Form PCT/IB/301 Copy of Form PCT/ISA/220

Copy of PCT/ISA/210, International Search Report





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:

Roger Williams Medical Center

INT. APPLN. NO.:

PCT/US03/21142

FILED:

03 July 2003

FOR:

TARGETING AND TRACKING OF CELLS TO SPECIFIC

ORGANS AND TISSUES IN VIVO

COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, VA 22313-1450

MAIL STOP PCT

Attn:

Sigfried Hostad

Certificate of Express Mailing

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Lee Dunkle

Sir:

RESPONSE TO INVITATION TO CORRECT DEFECTS IN THE INTERNATIONAL APPLICATION

An Invitation to Correct Defects in the International Application was mailed on 14 August 2003, for the above-referenced international application.

Accordingly, in response to the Invitation to Correct Defects, enclosed please find the:

- 1) Copy of the Invitation;
- 2) Executed Signature Page (page 6 of the PCT Request Form); and
- 4) Formal Drawings (9 sheets).

10/520431 Bac'd PCT/PTO 0 5 JAN 2005

Response to Correct Defects PCT/US03/21142 Page 2

Please charge any fees that may be due in connection with this matter to Deposit Account 04-1105.

Please contact the undersigned attorney if any additional information is needed.

Respectfully submitted,

LATE 1, (0)

David G. Conlin (Reg. No. 27,026)

Edwards & Angell, LLP

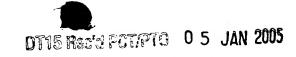
P.O. Box 9169

Boston, MA 02209

(617) 439-4444

BOS2_347301.1





PTO/SB/17 (12-04)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE to a collection of information unless it disolays a valid OMB control number.

Officer tile Paperwork No	SUUCUOITACI OF 193	o, no person are req	dued to le	sporto to a conección	CHINOTIRE	or unless it display	S a Valid Civid	COMBO HEATING	
Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). FEE TRANSMITTAL				Complete if Known					
						Not Yet Assigned // 与 之 // /			
						Concurrently Herewith			
Fo	<u> </u>			Lawrence G. Lum					
					et Assigned				
Applicant claims sr	nall entity status.	See 37 CFR 1.27	—	Art Unit	<u></u>	N/A			
TOTAL AMOUNT OF P	AYMENT	(\$) 1,695.00	<u></u>	Attorney Docket I	No.	57734 US (11	259)		
METHOD OF PAYM	ENT (check all	that apply)							
Check Credit Card Money Order None Other (please identify):									
x Deposit Account	Deposit Accoun	t Number: 04-1	105	Deposit Account Nan	ne:	Edwards &	Angell, LLI	P	
For the above-id	entified deposit	account, the Dir	ector is I	hereby authorize	d to: (chec	k all that apply)		
x Charge fee	e(s) indicated be	elow		Charge	fee(s) ind	licated below, e	xcept for the	ne filing fee	
	y additional fee ler 37 CFR 1.16	(s) or any underp	ayment	of X Credit a	any overpa	ayments			
FEE CALCULATION									
1. BASIC FILING, SEAR	CH, AND EXA	MINATION FEES		-					
	FILIN	NG FEES	SEA	RCH FEES	EXAMIN	IATION FEES	•		
Application Type	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fees F	Paid (\$)	
Utility	300	150	500	250	200	100			
Design	200	100	100	50	130	65			
Plant	200	100	300	150	160	80			
Reissue	300	150	500	250	600	300			
Provisional	200	100	0	0	0	0		<u> </u>	
2. EXCESS CLAIM FEE	s							Small Entity	
ee Description							Fee (\$)	Fee (\$)	
Each claim over 20 or, f Each independent claim	-						50	25	
Sach independent clain Multiple dependent clair		Reissues, each in	depende	ent ciaini more u	ian in the	original patent	200 360	100 180	
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						0.00	\$360.00	•	
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3. APPLICATION SIZE									
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4. OTHER FEE(S)							Fees	Paid (\$)	
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1632 National Stage search fee 1633 National Stage examination fee						200.00			
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1616 Natio	onal Stage cla	ims - multiple o	iepende	ent			36	0.00	
SUBMITTED BY									
ignature				Registration No.	54,493	Telephone	(617) 43	9-4444	
Name (Print/Type) Marla	L Tocker		• 17	Austrey/Agent)		Date	January		

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Dated: January 5, 2005

Signature:

(Karen Brown)

TRANSMITTAL LEZE TO THE UNITED STATES RECOIDING OFFICE

IG OFFICE

Date	03 July 2003
International Application	10/52043
Attorney Docket No.	57734-PCT(11259)

P10-1	382	(Kev	. 4-1995) (MOO	ined)	PCTUSZ.FRP/REVU3		me, Boomer				
ı.	Certification under 37 CFR 1.10 (if applicable)										
	EV342613625US 03 July 2003										
	Express Mail mailing number					Date of Deposit					
	I hereby certify that the application/correspondence attached hereto is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Assistant Commissioner for Patents, Washington, D.C. 20231.										
1			tiin	1 300	.0.1	Patri	cia A. Barnes				
	_		Signature of	person mailing correspo	ndence		Typed or printe	d name of person π	nailing correspondence		
			100								
n.	\boxtimes	Ne		nal Application							
٠	TI	TLE	IN VIVO	G AND TRACKING O	F CELLS TO SPECIFIC C	RGANS	AND TISSUES	Ea (I	rliest priority date Day/Month/Year)		
									05 July 2002		
	SCREENING DISCLOSURE INFORMATION: In order to assist in screening the accompanying international application for purposes of determining whether a license for foreign transmittal should and could be granted and for other purposes, the following information is supplied. (Note: check as many boxes as apply):										
4	A.		The inven	ntion disclosed was no	t made in the United Stat	es.					
1	В.		There is n	o prior U.S. application	on relating to this inventi	on.					
•	C. The following prior U.S. application(s) contain subject matter which is related to the invention disclosed in the attached international application. (NOTE: priority to these applications may or may not be claimed on form PCT/RO/101 (Request) and this listing does not constitute a claim for priority).										
ſ		appl	ication no.	60/393,961		filed o	n 05 July	2002			
Ì		appli	ication no.			filed o	n	.**	·		
1	Э.	×			rnational application is identical contains less subject matter than that found in the prior U.S. lentified in paragraph C.						
.]	E. The present international application contains additional subject matter not found in the prior U.S. application(s) identified in paragraph C. above. The additional subject matter is found on pages and DOES NOT ALTER MIGHT BE CONSIDERED TO ALTER the general nature of the invention in a manner which would require the U.S. application to have been made available for inspection by the appropriate defense agencies under 35 U.S.C. 181 and 37 CFR 5.1. See 37 CFR 5.15										
ш. [A R	esponse to an	Invitation from the	RO/US. The following of	locument	(s) is (are) end	losed:			
A	۱.		A Reque	est for An Extension o	f Time to File a Response	е					
E	3.		A Power	r of Attorney (General	or Regular)						
C	C. Replacement pages:										
			pages		of the request (PCT/RO	/101)	pages		of the figures		
			pages		of the description		pages		of the abstract		
			pages		of the claims						
D	D. Submission of Priority Documents										
			Priority docum	nent	Priority document						
E	E. Fees as specified on attached Fee Calculation sheet form PCT/RO/101 annex										
rv.[V. A Request for Rectification under PCT 91 A Petition A Sequence Listing Diskette										
v. [V. Other (please specify):										
he pers	ດກ		Applicant				Robert L. Bu	rchanan			
gning tr m is t	this	区		Attorney/Agent (Reg. No.) Typed name of signer 40.927							
15 (Common Representative										